



## Technical datasheet

### NJ219

Single row cylindrical roller bearings

Single row cylindrical roller bearing, single direction for axial loads, separable, pressed steel cage.

## Visual(s)



## Product definition

|                               |          |
|-------------------------------|----------|
| <b>d</b>                      | 95 mm    |
| <b>D</b>                      | 170 mm   |
| <b>B</b>                      | 32 mm    |
| <b>E</b>                      | 151.5 mm |
| <b>F</b>                      | 113.5 mm |
| <b>d1</b>                     | 121 mm   |
| <b>rs min</b>                 | 2.1 mm   |
| <b>r1s min</b>                | 2.1 mm   |
| <b>Radial clearance class</b> | CN       |
| <b>Mass (without HJ ring)</b> | 2.86 kg  |
| <b>Brand</b>                  | NTN      |

## Product performance

|                                        |           |
|----------------------------------------|-----------|
| <b>Dynamic load, C</b>                 | 166 kN    |
| <b>Static load, C0</b>                 | 195 kN    |
| <b>Fatigue limit load, Cu</b>          | 21.9 kN   |
| <b>Nlim (oil)</b>                      | 4,700 rpm |
| <b>Nlim (grease)</b>                   | 4,000 rpm |
| <b>Min operating temperature, Tmin</b> | -40 °C    |
| <b>Max operating temperature, Tmax</b> | 120 °C    |

## Abutment dimensions

|               |        |
|---------------|--------|
| <b>da min</b> | 106 mm |
| <b>da max</b> | 111 mm |
| <b>dc min</b> | 123 mm |
| <b>Da max</b> | 159 mm |
| <b>ra max</b> | 2 mm   |

## Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$